FIG. 1A

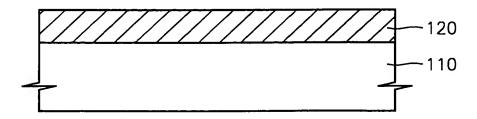


FIG. 1B

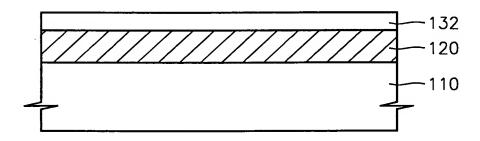
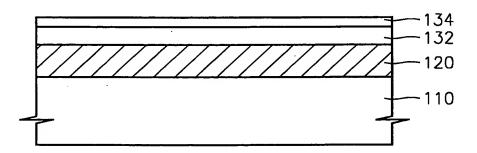


FIG. 1C



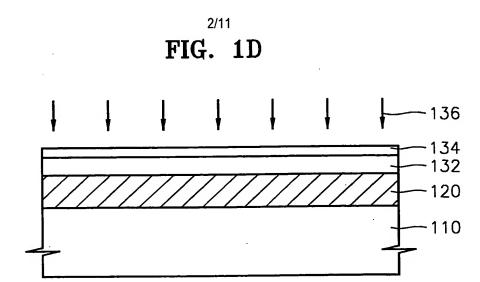
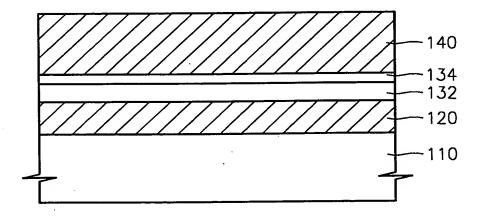
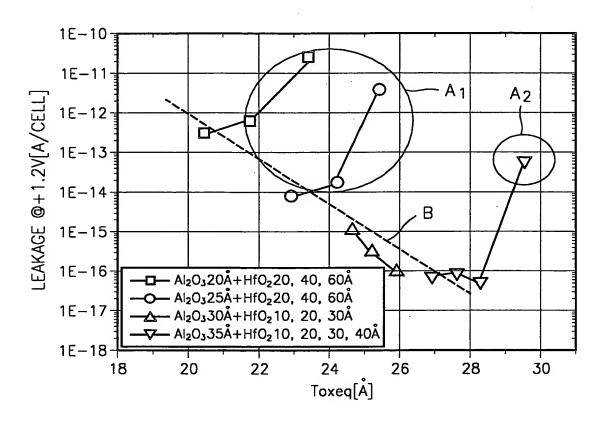


FIG. 1E



^{3/11} **FIG. 2**



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[Toxeo(A)]

S(À)										
HfQ2THICKNESS(Å)							·			Sion=10å
09	18.5	20.8	23.1	25.4	26.5	27.7	28.8	30.0	32.3	LEAKAGE CURRENT :: DETERIORATION :
20	17.8	20.1	22.4	24.7	25.9	27.0	28.2	29.3	31.6	
40	17.2	19.5	21.8	24.1	25.2	26.4	27.5	28.5	31.0	
30	16.5	18.8	21.1	23.4	24.6	25.7	26.9	28.0	30.3	
20	15.9	18.2	20.5	22.8	23.9	25.1	792	27.4	29.7	NORMAL Leakage current
10	15.2	17.5	19.8	22.1	23.3	24.4	25.6	26.7	29.0	
	10	15	20	25	27.5	30	32.5	35	40	A ₂ O ₃ THICKNESS(Å)

5/11 **FIG. 4**

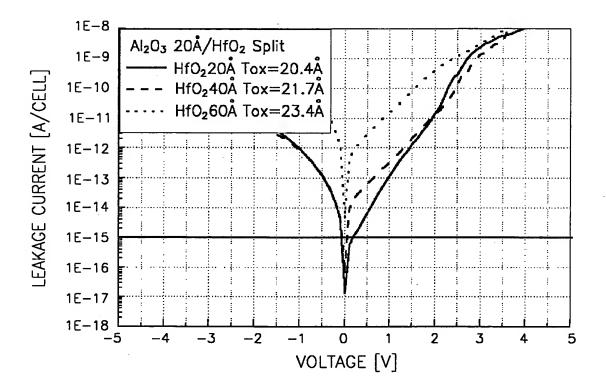


FIG. 5

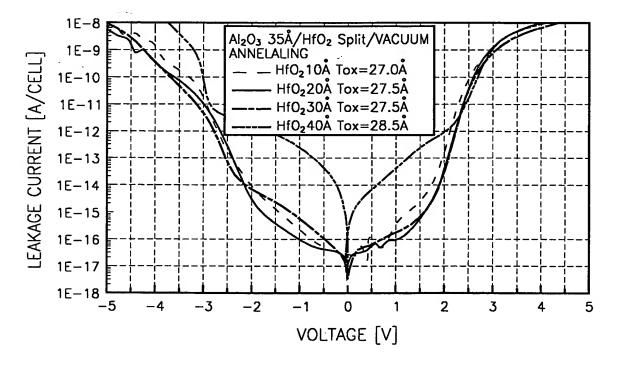


FIG. 6

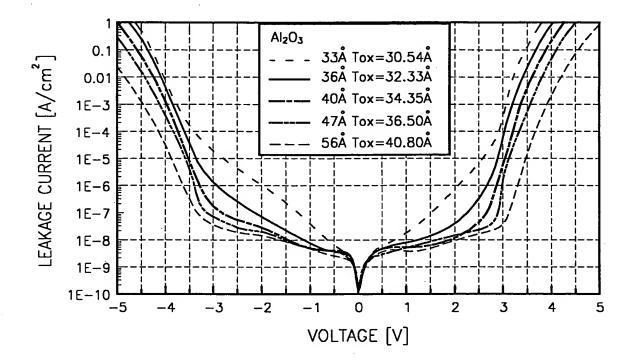
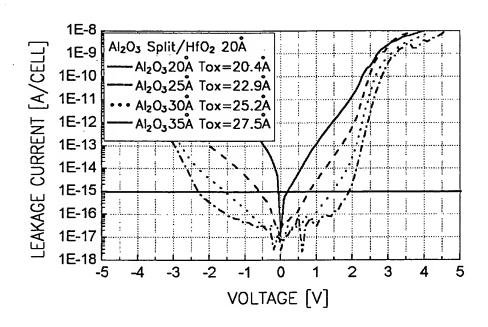
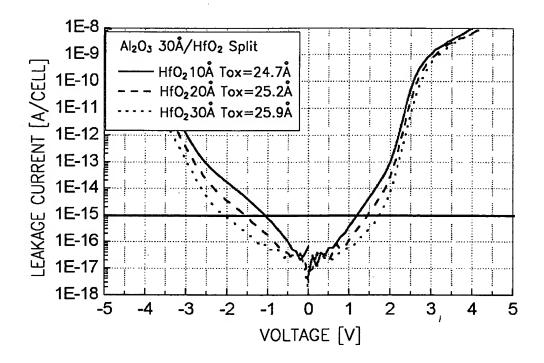


FIG. 7



7/11 **FIG. 8**



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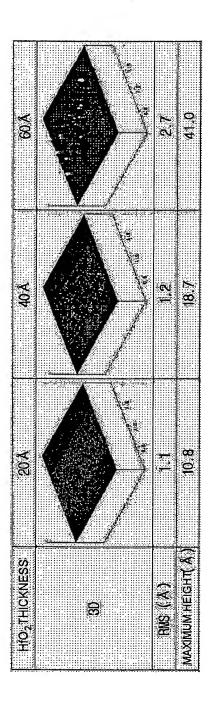


FIG. 9

9/11 **FIG. 10**

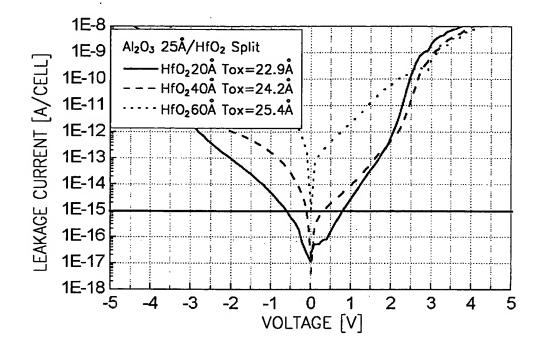


FIG. 11

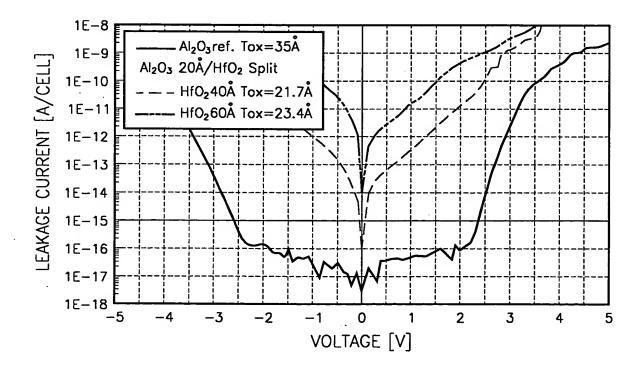


FIG. 12

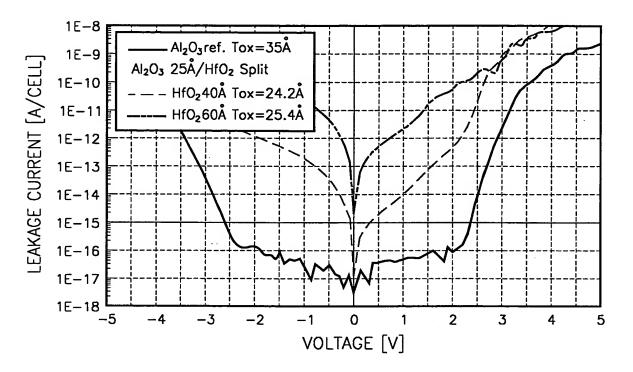


FIG. 13

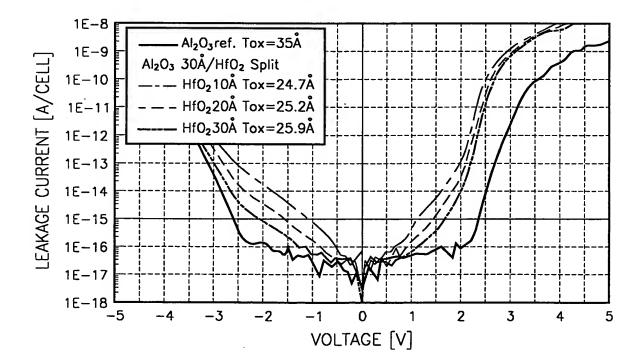


FIG. 14

